

CLAIMS

"HYDRAULIC MACHINE OF BOOSTING
AND RECOVERY OF THE LIQUID IN INTERNAL MOVEMENTS IN THE
ELECTRIC ENERGY PRODUCTION"

Hydraulic machine, characterized by the fact of comprising (1) a tank or water column constructed of iron or other materials, in this tank are processed the upward and downward movements of the cylinder and through this movement it is possible to raise the water level and, by its turn, cause the water falling in the director of the turbine rotor, (2) this pipe is opened inside the tank one, its insulation with the entry and exit of the water is made through the ring connected to the cylinder protecting sleeve and it is this pipe that allows the passing of the liquid that was recovered and sent again to the tank number one, (3) water box or other liquids, after the processing of the movement of the rotor, this box recover the used liquid. (4) Cylinder sleeve, being a fundamental part of the machine this item is the one that protects the movement of the cylinder inside the tank and it is in it that is fastened the chamber insulation ring; here is processed the entry and exit of the liquid used in the movements of the machine, (5) cylinder built of iron or other materials that through its internal movements inside the tank one show us that all of its movements are executed inside the liquid, both in its descent and in its ascent the sleeve always meets liquid, what characterizes this machine in its internal movements, (6) mobile ring, this ring allows

the external sealing of the liquid and the passage of the liquid from the sleeve to the tank one, the ring may be built in metal or other materials, (7) pneumatic cylinders or others, here the movements also may be mechanical, what
5 does not modify the sense of the construction of the machine, (8) I claim all the movements in general of the machine, since the recovery of the water through the direct contact of the pipe one with the pipe two, the internal movements of the cylinder always inside the liquid, the
10 opening and closing of the ring and the admission of the liquid, the balance of the external weight with the internal cylinder in movement and its form of reduction in the movement effort. Because of this, I claim all the movements in general of this machine, including the tying of the
15 cables in inverted directions and their respective movements. According to Figure 2, I claim (9) cylinder with the construction in form of glass with the mouth open and the position (10) of the pulleys fixed in the glass cylinder (11), the cylinder that is stopped or other body that
20 replaces it, and I claim the position of the penetration in the cylinder in form of glass.